

Product datasheet for **RN204994**

Alox5 (NM_012822) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alox5 (NM_012822) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Alox5
Synonyms:	LOX5A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN204994 representing NM_012822
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTTCTACACTGTACCCGTAGCCACCCGGTAGCCAGTGGTTCGCGGGCACCCGACTACATTTACC
 TCAGCCTCATTGGCTCTGCAGGCTGCAGTGAGAAGCATCTTCTTGACAAAGCTTTCTACAATGACTTCGA
 GCGCGCGGGTTCGCGACTCCTATGACGTCCTGTGGATGAAGAAGTGGGTGAGATCTACCTAGTCAAAATC
 GAGAAGCGCAAATACAGGCTCCATGATGACTGGTACTTAAAATACATCACACTGAAGACACCCACGACT
 ACATAGAGTTCCCTTGTATCGTTGGATCACAGGCGAGGGCGAGATTGCTCCTGAGGGATGGATGTCAAA
 ATTGGCCCGAGATGACCAAATCCACATCCTCAAGCAGCACAGGCGAAAGAAGTGGAAACACGTCAGAAA
 CAGTATCGATGGATGGAGTGAACCCCGCTTCCCTTTGAGTATTGATGCTAAATGCCACAAGGATCTGC
 CCCGAGATATCCAGTTTATAGTAAAAGGGAGTGGACTTTGTTCTGAAGTACTCAAAGCGATGGAGAA
 CCTGTTCAATCGCTTCAATGCACATGTTCCAGTCTTCTGGCATGACTTTGCTGACTTTGAGAAAATC
 TTCGTCAAAATCAGCAACTATTTCTGAGAGAGTCAAGAACCCTGGCAAGAGGACCTCATGTTTGGCT
 ACCAGTTCCTGAATGGTGCAACCCAGTACTCATCAAGCGCTGCACAGAGTTGCCTAAGAAGCTCCCAGT
 GACCACAGAAATGGTGGAGTGCAGCCTAGAGCGGCAGCTCAGTTTAGAACAGGAAGTACAGGAAGGGAAC
 ATTTTCATCGTTGATTACGAAGTACTGGATGGCATTGATGCTAACAAAAGTACCCTGTACACACCAGT
 TCCTGGCCGCCCATCTGCCTGCTGTATAAGAAGTACCAACAAGATTGTTCCCATCGCCATCCAGCT
 CAACCAAAACCCCTGGAGAGAAGAACCCTTTTCTCCCTACGGACTCAAATACGACTGGCTTTTGGCC
 AAAATCTGGGTGCGTTCAAGTGAAGTCCATATCCATCAAACAATCACCCATCTTCTCCGCACACATCTGG
 TGCTGAGGTGTTTCGGTATTGCCATGTACCGCCAGTGCCTGCTGTGCACCCCTTTTCAAGCTGCTGGT
 AGCCCATGTGAGGTTACCCATTGCCATCAACACTAAGGCCCGGGAACAGCTTAACTGTGAGTACGGCCTT
 TTTGACAAGGCCAATGCCACCGAGGTGGTGGGCAGTGCAGATGGTGCAGAGAGCTGTCCAGGACCTGA
 CCTATTCTCCCTGTGCTTCCCGAGGCCATCAAGGCCCGGGCATGGACAACACCGAGGACATCCCTA
 CTACTTCTATCGTGATGATGGACTGCTCGTGTGGGAAGCTATCCAGTCGTTCACAACTGAGGTGGTAAGC
 ATCTACTATGAGGATGACCAGGTGGTGGAGGAGGACCAGGAAGTGCAGGACTTCGTAAGGATGTTTACG
 TTTATGGCATGCGGGGCAGAAAGCCCTCAGGTTTCCCAAGTCCATCAAGAGCAGGGAGAAATTGTCTGA
 GTACCTGACGGTGGTATCTTACAGCCTCGGCCAGCATGCAGCTGTAAGTCTTGGCCAGTATGACTGG
 TGCTCCTGGATCCCAACGCTCCTCAACTATGCGGGCCCAACCCACGGCCAAGGGTGTGGTACCA
 TCGAGCAGATTGTGGATACTCTACCAGACCGTGGCCGCTCATGTTGGCATCTAGGTGCAGTGTGGGCCTT
 GAGCCAGTTTCAAGAGAATGAGCTGTTTCTGGGCATGTACCCAGAGGAGCATTTCATCGAGAAGCCAGT
 AAAGAAGCCATGATTGATTCCGCAAGAAGCTGGAGGCCATCGTCAGCGTGATTGCCGAGCGCAATAAGA
 ACAAAAAGCTCCCTACTACTACCTGTCACCAGACAGATTCCAACAGGT**G****TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012822
- Insert Size:** 2013 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_012822.1](#), [NP_036954.1](#)

RefSeq Size: 2535 bp

RefSeq ORF: 2013 bp

Locus ID: 25290

UniProt ID: [P12527](#)

Cytogenetics: 4q42

Gene Summary: catalyzes the conversion of arachidonate to leukotriene A4 in leukotriene metabolism [RGD, Feb 2006]